SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

# REPORT

# ON

# PROPOSED CHANNEL IMPROVEMENTS

# ON

# WEST ROSS CREEK

ZONE C-1 PROJECT 30 022

26 APRIL 1963

TC
425
R67.R4
1963
REF
c.3

TC425R67R41963 c.3

SANTA CLARA COUNTY FLOOD CONTROL
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26 April 1963

# SANTA CLARA COUNTY FLOOD CONTROL
# AND
# WATER CONSERVATION DISTRICT

Donald K. Currlin, Manager-Counsel

## BOARD OF SUPERVISORS

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santa clara county

FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DONALD K. CURRLIN
MANAGER - COUNSEL
70 WEST ROSA STREET
SAN JOSE 10, CALIFORNIA
CYPRESS 9-2031

April 26, 1963

Honorable Board of Supervisors
County of Santa Clara
70 West Rosa Street
San Jose 10, California

Gentlemen:

Transmitted herewith is the Engineer's Report of Proposed Improvements for West Ross Creek, Project Number 30022 in Zone C-1 (Central) of the Santa Clara County Flood Control and Water Conservation District. The report covers proposed improvements for 6660 feet of channel. The estimated cost of these facilities is $280,700, which can be financed from normal zone taxes.

I recommend that a public hearing on this proposed channel improvement be held as a prerequisite to the construction of the project.

Sincerely,

Donald K Currlin

Manager-Counsel

# INTRODUCTION

West Ross Creek is located at the southerly rim of the Santa Clara Valley about one mile east of downtown Los Gatos. It is a tributary of Ross Creek, which in turn is a tributary of the Guadalupe River.

Historically, considerable flooding has occurred along the lower mile of West Ross Creek. Urban development exists in a portion of the flood path, and it has been necessary to evacuate residents from a half dozen homes several times in the past ten years. Additional urban construction is occurring in the area and will be subject to flooding from an unimproved channel. Recurrence of past floods could cause even more serious damage than before.

Investigation indicates it is possible to alleviate future flood damage by channel improvements. Since almost all of the required right of way for the project has been dedicated to the District, construction could begin as soon as contract plans can be completed. The estimated cost of the channel improvements is $280,700.

This report presents:

1. A general description of the proposed channel

improvement, together with plans, profiles, cross-sections, and specifications relating thereto.

2. A general description of and maps showing the location of the proposed project and the lands, rights-of-way, and easements required therefor.
3. An estimate of the cost of the proposed project, and means of financing these costs.

## DESCRIPTION OF THE WATERSHED

St. Joseph's Hill, together with two miles of a connecting ridge, forms the southerly boundary of the West Ross Creek watershed. The hill lies about one mile southeasterly of the Los Gatos business district, and is the westerly extremity of a long east-west ridge which forms the main divide between the Guadalupe River and Los Gatos Creek watersheds. West Ross Creek, which consists of several tributaries in its upper reaches, flows northerly from the steep hill sides of the ridge and across a rolling foothill area to its confluence with Ross Creek at the valley rim near Blossom Hill Road.

Beginning at the base of the steep hillside, medium density residential development borders the creek on at least one bank for the entire length of the project. Proposals for new subdivisions indicate that the entire area along the creek will be urbanized in the near future.

## DESIGN CRITERIA

The criteria used in the preliminary design of structures, channels and grades for the West Ross Creek channel improvement project are:

Level of protection provided (design storm):

Fifty-year recurrence frequency in both open channels and closed conduits.

Roughness Coefficients (Manning):

| | |
|---|---|
| Concrete Channels and Culverts | n=0.015 |
| Large Concrete Pipe | n=0.013 |

Freeboard in Concrete Channels:

Subcritical velocity ------- 1 foot minimum

Supercritical velocity - contains energy gradient

Maximum Velocity:

Fifteen feet per second in Concrete Channels and Pipes.

A method for computing the peak flow to be expected from small watersheds has been developed that is applicable to areas in Santa Clara County. The intensity of rainfall in the watershed under consideration was determined by special adjustments to rainfall intensities derived from San Jose rainfall intensity-frequency-duration curves. The resulting calculated peak flows at each of several key points along West Ross Creek are presented in Table 1.

## TABLE 1

### PEAK FLOWS FOR DESIGN STORM - WEST ROSS CREEK

| Station | Location | Watershed Area in Acres | Peak Flow in Cu.ft./sec. |
|---|---|---|---|
| 55+59 | Southeast Branch Confluence | ~~340~~ 420 | ~~185~~ 300 |
| 27+45 | Shady View Lane | 418 | 230 |
| 17+78 | Shannon Road | 484 | 270 |
| 11+20 | Middle Branch Confluence | 1,081 | 540 |
| 2+25 | East Branch Confluence | 1,585 | 770 |
| 0+00 | Blossom Hill Road | 1,677 | 810 |
| | **SOUTHEAST BRANCH** | | |
| 9+85 | Intake at Stonybrook Road | 163<br>~~129~~ | 140<br>~~80~~ |

## DESCRIPTION OF PROPOSED PROJECT

The plans and profile of the proposed channel improvement of West Ross Creek are shown on Plates 2 through 8. The project stationing starts at the north side of Blossom Hill Road and extends upstream to Kennedy Road, a total distance of 5,559 feet. At the start of the West Ross Creek channel improvement a rip-rap transition structure just north of Blossom Hill Road conforms the reinforced concrete box to the existing section of Ross Creek. The reinforced concrete box extends for 700 feet upstream and varies in size from 11 feet by 7 feet to 7 feet by 6 feet. In this reach a special provision is made for the entrance of East Ross Creek to the reinforced concrete box.

From the end of the reinforced concrete box to the confluence with the Middle Branch of Ross Creek, a distance of about 430 feet, the channel improvement is rectangular reinforced concrete open channel 6 feet wide and 8 feet deep. A special transition admits the Middle Branch to the concrete channel. From this point upstream to Hilow Road, a distance of about 2,300 feet, West Ross Creek is placed in first a 60 and then 54 inch diameter reinforced concrete pipe. From Hilow Road upstream to Kennedy Road the channel improvement is a reinforced concrete open channel 6 feet wide and varying from 7 to 5 feet deep. At Kennedy Road the open channel connects with the present 54 inch reinforced concrete pipe in Vista Del Monte.

The Southeast Branch of Ross Creek enters West Ross Creek at about Station 47+45 between Topping Way and Marchmont Drive. Because of right-of-way difficulties the Southeast Branch is diverted at Stony Brook Road into a 42 inch diameter reinforced concrete pipe. This pipe follows Kennedy Road for about 900 feet and connects with the reinforced concrete open channel of West Ross Creek at Vista Del Monte. At Stony Brook Road it is proposed to use the Southeast Branch as a desilting basin by appropriate construction as shown on Plate 8. This construction extends the Southeast Branch to a total length of

1,100 feet. The total project as proposed would then be about 6,660 feet long.

Except for the diversion of the Southeast Branch, the proposed channel improvement of West Ross Creek follows the present alignment of the creek. This alignment utilizes dedicated right-of-way thereby reducing the costs of the project. The diversion of the Southeast Branch eliminates a longer channel and right-of-way aquirement problems.

The type of construction selected was dictated by the narrow nature of the dedicated right-of-way, the steep slopes in certain reaches of the creek that required lined channels to prevent erosion, and the lack of economical alternative alignments.

## CONSTRUCTION STAGING

It is desirable to construct the proposed channel improvement of West Ross Creek in stages to reduce the capital outlay required for any one fiscal year. The first portion of the proposed project to be undertaken would be from Shannon Road upstream to Topping Way. This reach is subject to the most serious erosion and flooding problems and requires immediate attention. The next stage would be from Blossom Hill Road to Shannon Road to complete the downstream portion of the proposed project. The third stage would be the channel reach from Topping Way upstream to Kennedy Road, to be followed by the diversion of the Southeast Branch along Kennedy Road as the fourth stage.

In addition to the construction proposed above, it may be necessary to construct, on a maintenance basis, various erosion control facilities in some of the ravines in the upper reaches of the watershed. This construction would reduce the maintenance costs caused by the deposition of silt and detritus in the downstream improved channels and conduits. Some portions of the upper tributaries of West Ross Creek may be placed in closed conduits in streets as future urban development occurs.

## PROJECT COSTS

Estimates of the costs of construction of the proposed channel improvement on West Ross Creek were based on prevailing prices. In addition to direct construction costs, a contingency item was estimated to account for the costs of engineering, advertising, legal fees, and other incidentals. There are no right-of-way costs contemplated. The estimated costs are presented in Table 2.

## TABLE 2

## ESTIMATED COSTS OF PROJECT

| Stage Number | Station Limits | Construction Cost | Contingency Cost | Total Cost |
|---|---|---|---|---|
| I | 18+20 to 45+53 | $ 96,100 | $14,400 | $110,500 |
| II | 0+00 to 18+20 | 86,300 | 12,900 | 99,200 |
| III | 45+53 to 55+59 | 40,400 | 6,100 | 46,500 |
| IV | 55+59 to "B"11+00 | 21,300 | 3,200 | 24,500 |
| | Totals | $244,100 | $36,600 | $280,700 |

No cost estimates are presently available for the erosion control projects which may be necessary in the upper watershed ravines of West Ross Creek. Construction of such erosion control structures can be delayed for a few years after the completion of the channel improvement proposed herein and financed on a maintenance basis.

## FINANCING

It is recommended that the proposed West Ross Creek channel improvement be financed on a pay-as-you-go basis from ad valorem taxes rather than from a bond issue. The Central Zone had a 1962 assessed valuation of $533,279,960 which would provide an adequate source of funds to finance the project as proposed herein as well as the other necessary construction and maintenance activities in the Zone.

Sufficient funds are available in the current budget of the zone to finance construction of the first stage of the project.

## CONCLUSIONS AND RECOMMENDATION

As a result of the investigation reported herein, it was concluded that:

1. West Ross Creek has historically caused considerable flood damage over an area which contains existing urban development as well as open land which is developable. Flooding has been severe enough to necessitate evacuation of some homes, and potential flood damage will increase with additional urban development in the flood path.
2. It is possible to construct channel improvements on West Ross Creek that would reduce the hazard of potential floods.
3. The costs of the proposed channel improvement of West Ross Creek are estimated to be $280,700.
4. It is possible to stage the construction of the proposed channel improvement of West Ross Creek in such a manner that it can be constructed out of ad valorem tax revenues without an increase in the basic tax rate. Funds are presently avail-

able to cover the cost of the first stage of construction.

Based on these conclusions, it is recommended that the channel improvement of Ross Creek as proposed herein be approved and construction initiated as soon as possible in the current fiscal year.

Submitted by:

Malcolm E. Burns

Malcolm E. Burns
Senior Engineer

Recommended Approval:

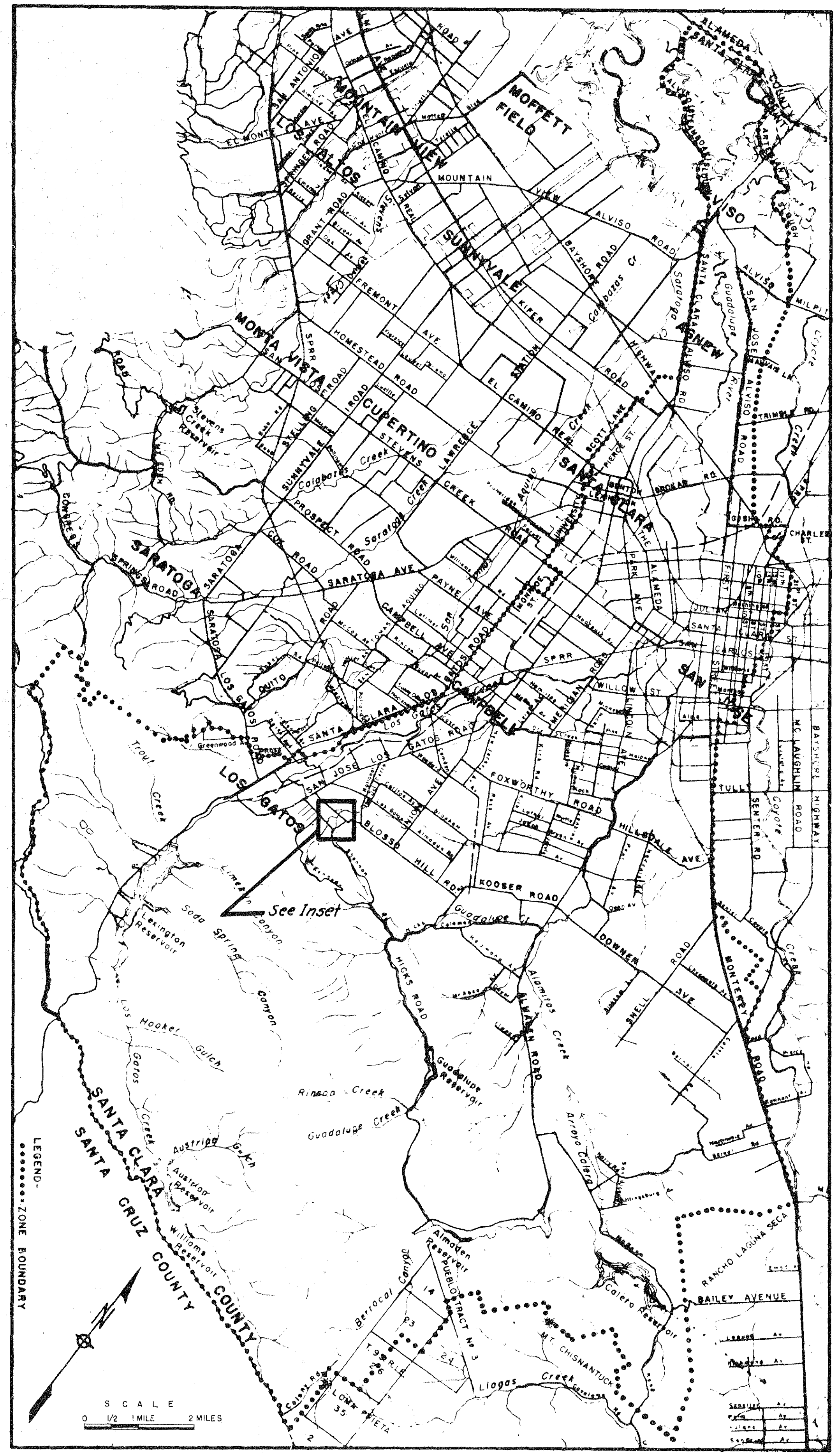
George H. Prime

George H. Prime
Head, Planning Division

Approved:

Lloyd C. Fowl

Lloyd C. Fowler
District Engineer



# MAP AND GENERAL PLANS

# OF

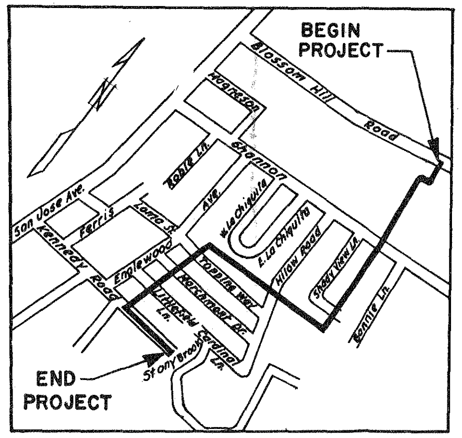
# WEST ROSS CREEK

## FROM BLOSSOM HILL RD. TO STONY BROOK RD.

## ZONE C-I (CENTRAL) PROJECT NO.30022

## SANTA CLARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

## SANTA CLARA COUNTY, CALIFORNIA

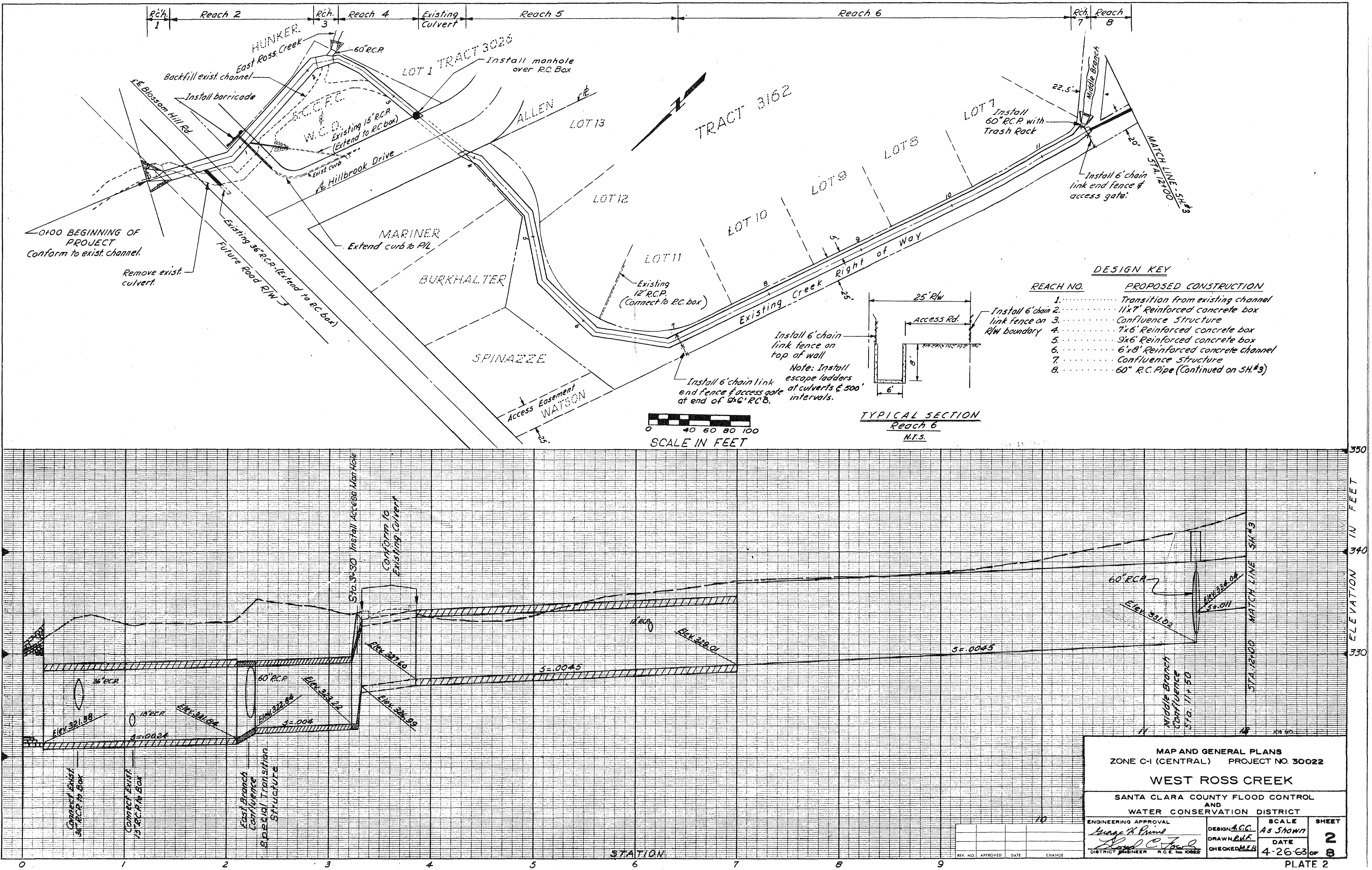


Project Approval:

Manager Counsel

Date: 4-26-63

PLATE I


R'ch. 1
Reach 2
R'ch. 3
Reach 4
Existing Culvert
Reach 5
Reach 6
R'ch. 7
Reach 8
HUNKER
East Ross Creek
60" R.C.P.
LOT 1 TRACT 3025
Install manhole over R.C. Box
Backfill exist. channel
℄ Blossom Hill Rd.
Install barricade
S.C.C.F.C. & W.C.D.
Existing 15" R.C.P. (Extend to R.C. box)
Exist. curb
℄ Hillbrook Drive
ALLEN
LOT 13
TRACT 3162
LOT 7
Install 60" R.C.P. with Trash Rack
Middle Branch
22.5'
20'
MATCH LINE - SH.#3 STA. 12+00
Install 6' chain link end fence & access gate.
LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
0+00 BEGINNING OF PROJECT Conform to exist. channel.
Remove exist. culvert.
Existing 36" R.C.P. (Extend to R.C. box)
Future Road R/W
MARINER
Extend curb to P/L
BURKHALTER
SPINAZZE
Access Easement
WATSON
25'
Existing 12" R.C.P. (Connect to R.C. box)
Existing Creek Right of Way
5'
Install 6' chain link end fence & access gate at end of 9x6' R.C.B.
Install 6' chain link fence on top of wall
Note: Install escape ladders at culverts & 500' intervals.
25' R/W
Access Rd.
Install 6' chain link fence on R/W boundary
8'
6'
TYPICAL SECTION Reach 6 N.T.S.
0 40 60 80 100
SCALE IN FEET
ELEVATION IN FEET
20
30
40
330
340
350
Connect Exist. 36" R.C.P. to Box
Connect Exist. 15" R.C.P. to Box
East Branch Confluence Special Transition Structure
36" R.C.P.
15" R.C.P.
60" R.C.P.
Elev. 321.38
Elev. 321.84
S=.0024
Elev. 322.84
S=.004
Elev. 323.22
Sta. 3+30 Install Access Man Hole
Conform to Existing Culvert
Elev. 327.60
Elev. 324.89
12" R.C.P.
Elev. 328.01
S=.0045
S=.0045
60" R.C.P.
Elev. 331.02
Elev. 334.04
S=.011
Middle Branch Confluence Sta. 11+50
STA. 12+00 MATCH LINE SH.#3
STATION
0
1
2
3
4
5
6
7
8
9
10
11
12

DESIGN KEY

| REACH NO. | PROPOSED CONSTRUCTION |
|---|---|
| 1. | Transition from existing channel |
| 2. | 11'x7' Reinforced concrete box |
| 3. | Confluence Structure |
| 4. | 7'x6' Reinforced concrete box |
| 5. | 9'x6' Reinforced concrete box |
| 6. | 6'x8' Reinforced concrete channel |
| 7. | Confluence Structure |
| 8. | 60" R.C. Pipe (Continued on SH.#3) |

MAP AND GENERAL PLANS
ZONE C-1 (CENTRAL) PROJECT NO. 30022

## WEST ROSS CREEK

SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

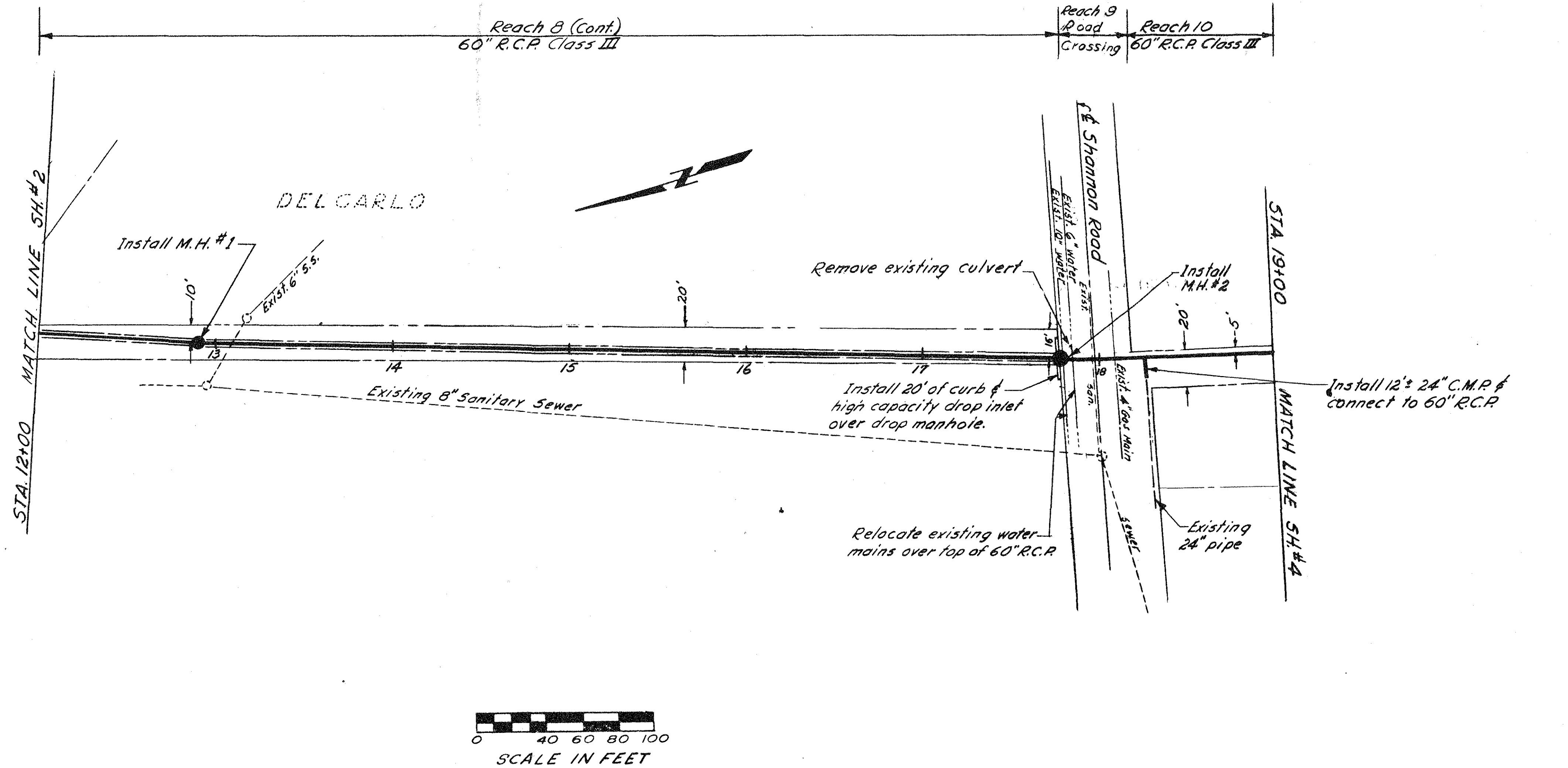
| REV. NO. | APPROVED | DATE | CHANGE |
|---|---|---|---|
| | | | |

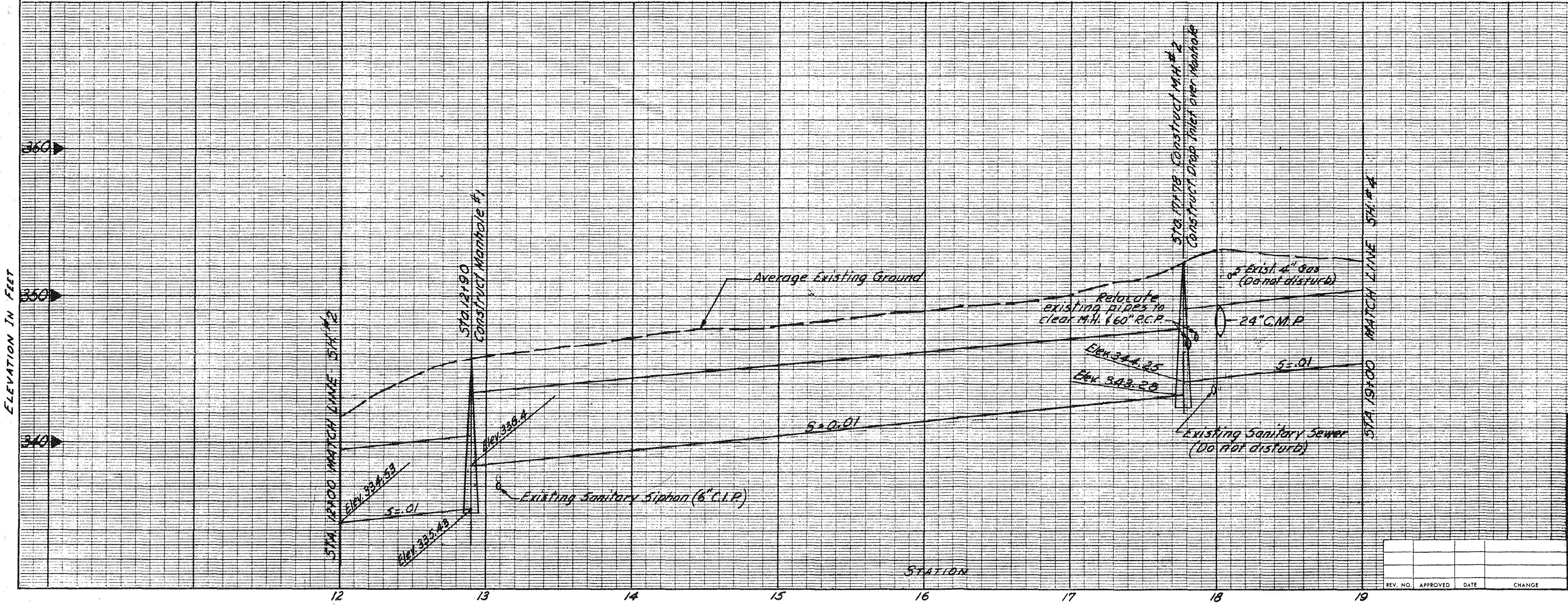
ENGINEERING APPROVAL
George H. Prine
DISTRICT ENGINEER R.C.E. No. 10622

DESIGN A.C.C.
DRAWN R.U.F.
CHECKED M.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 2 OF 8

PLATE 2




ELEVATION IN FEET
360
350
340
STA. 12+00 MATCH LINE SH.#2
Sta 12+90 Construct Manhole #1
Average Existing Ground
Elev. 334.53
Elev. 335.43
Elev. 338.4
S=.01
S=0.01
Existing Sanitary Siphon (6" C.I.P.)
Sta. 17+78 Construct M.H. #2 Construct Drop Inlet over Manhole
Relocate existing pipes to clear M.H. & 60" R.C.P.
Exist. 4" Gas (Do not disturb)
24" C.M.P.
Elev. 344.25
Elev. 343.28
S=.01
Existing Sanitary Sewer (Do not disturb)
MATCH LINE SH.#4
STA. 19+00
STATION
12
13
14
15
16
17
18
19
ELEVATION IN FEET
360
350
JOB NO.

| REV. NO. | APPROVED | DATE | CHANGE |
|---|---|---|---|
| | | | |

MAP AND GENERAL PLANS
ZONE C-1 (CENTRAL) PROJECT NO. 30022

## WEST ROSS CREEK

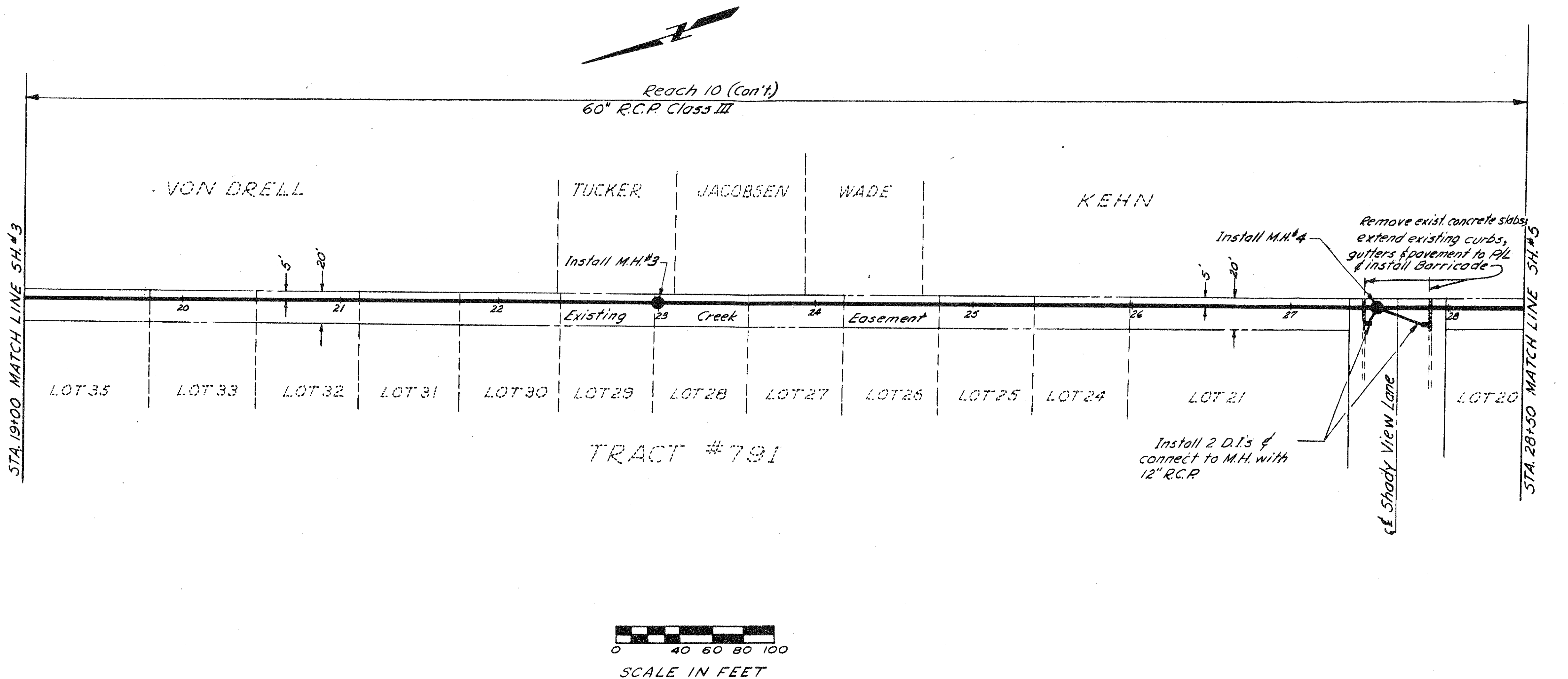
SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

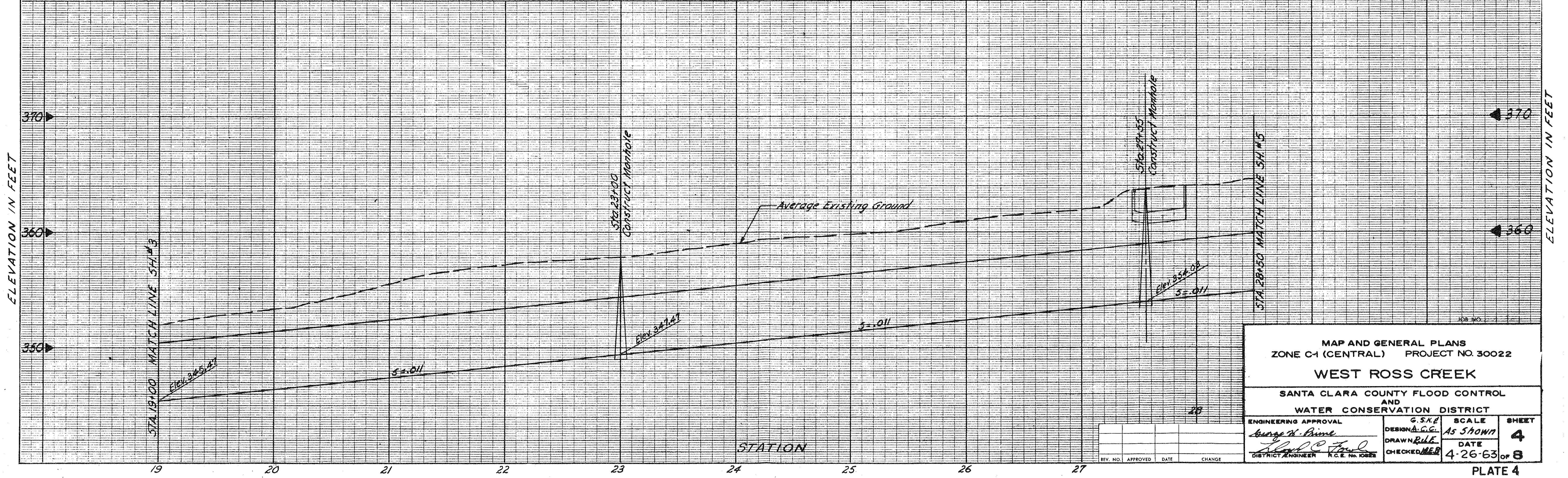
ENGINEERING APPROVAL
George H. Prime
Lloyd C. Fowl
DISTRICT ENGINEER R.C.E. No. [illegible]

G.S.K.
DESIGN A.C.C.
DRAWN R.U.F.
CHECKED M.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 3 OF 8

PLATE 3





| REV. NO. | APPROVED | DATE | CHANGE |
|---|---|---|---|

MAP AND GENERAL PLANS
ZONE C-1 (CENTRAL) PROJECT NO. 30022

## WEST ROSS CREEK

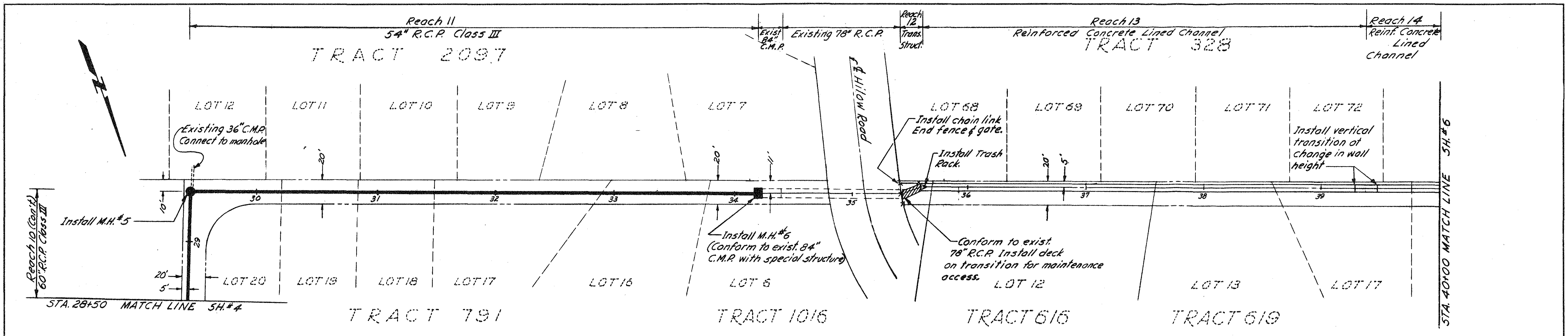
SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

ENGINEERING APPROVAL
George W. Prime
Lloyd C. Fowler
DISTRICT ENGINEER R.C.E. No. 10822

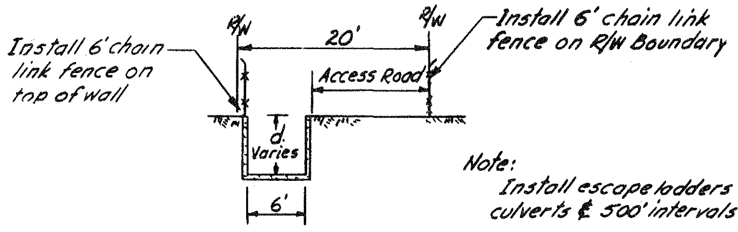
G.S.K.&
DESIGN A.C.C.
DRAWN R.L.K.
CHECKED M.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 4 OF 8

PLATE 4


Reach 11
54" R.C.P. Class III
Exist 84" C.M.P.
Existing 78" R.C.P.
Reach 12 Trans. Struct.
Reach 13
Reinforced Concrete Lined Channel
Reach 14
Reinf. Concrete Lined Channel
TRACT 2097
TRACT 328
LOT 12
LOT 11
LOT 10
LOT 9
LOT 8
LOT 7
℄ Willow Road
LOT 68
LOT 69
LOT 70
LOT 71
LOT 72
Existing 36" C.M.P. Connect to manhole
Install chain link End fence & gate.
Install Trash Rack.
Install vertical transition at change in wall height
20'
11'
5'
30
31
32
33
34
35
36
37
38
39
29
10'
Install M.H. #5
Reach 10 (Con't) 60" R.C.P. Class III
Install M.H. #6 (Conform to exist. 84" C.M.P. with special structure)
Conform to exist. 78" R.C.P. Install deck on transition for maintenance access.
STA. 40+00 MATCH LINE SH. #6
STA. 28+50 MATCH LINE SH. #4
LOT 20
LOT 19
LOT 18
LOT 17
LOT 16
LOT 6
LOT 12
LOT 13
LOT 17
TRACT 791
TRACT 1016
TRACT 616
TRACT 619

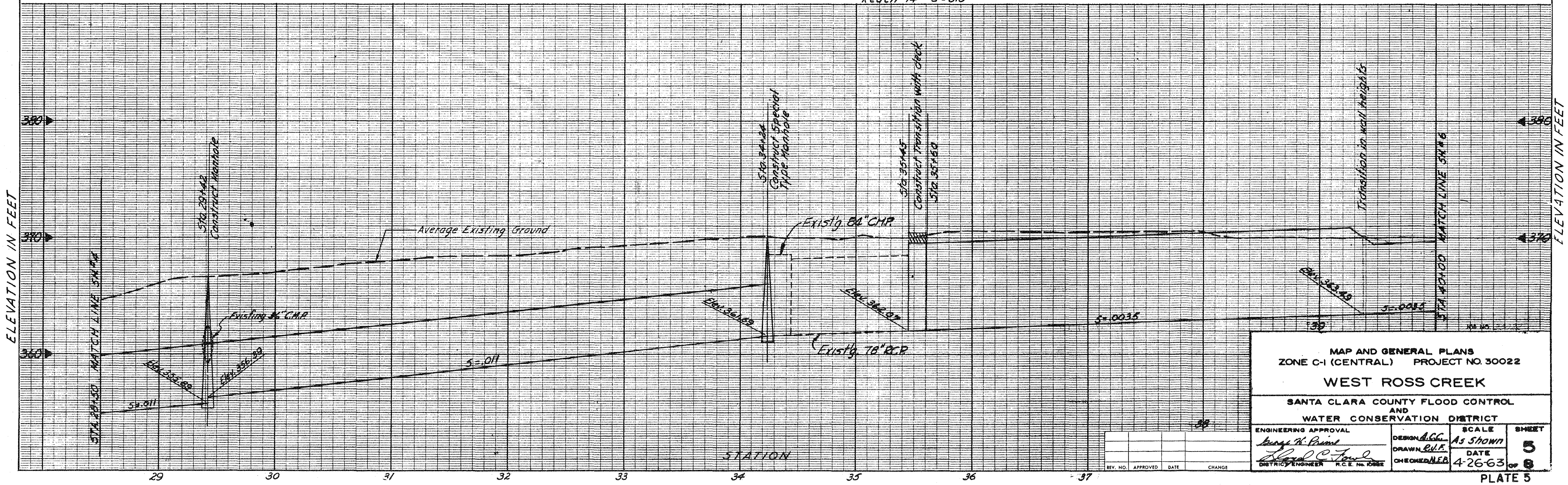
See Note on Sheet #6 for treatment of existing facilities in reaches 13 & 14.


Install 6' chain link fence on top of wall
R/W
R/W
20'
Access Road
d. Varies
6'
Install 6' chain link fence on R/W Boundary

Note:
Install escape ladders at culverts & 500' intervals.

SCALE IN FEET

TYPICAL SECTION
N.T.S.
Reach 13 d=7.5'
Reach 14 d=6.0'



MAP AND GENERAL PLANS
ZONE C-I (CENTRAL) PROJECT NO. 30022

WEST ROSS CREEK

SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

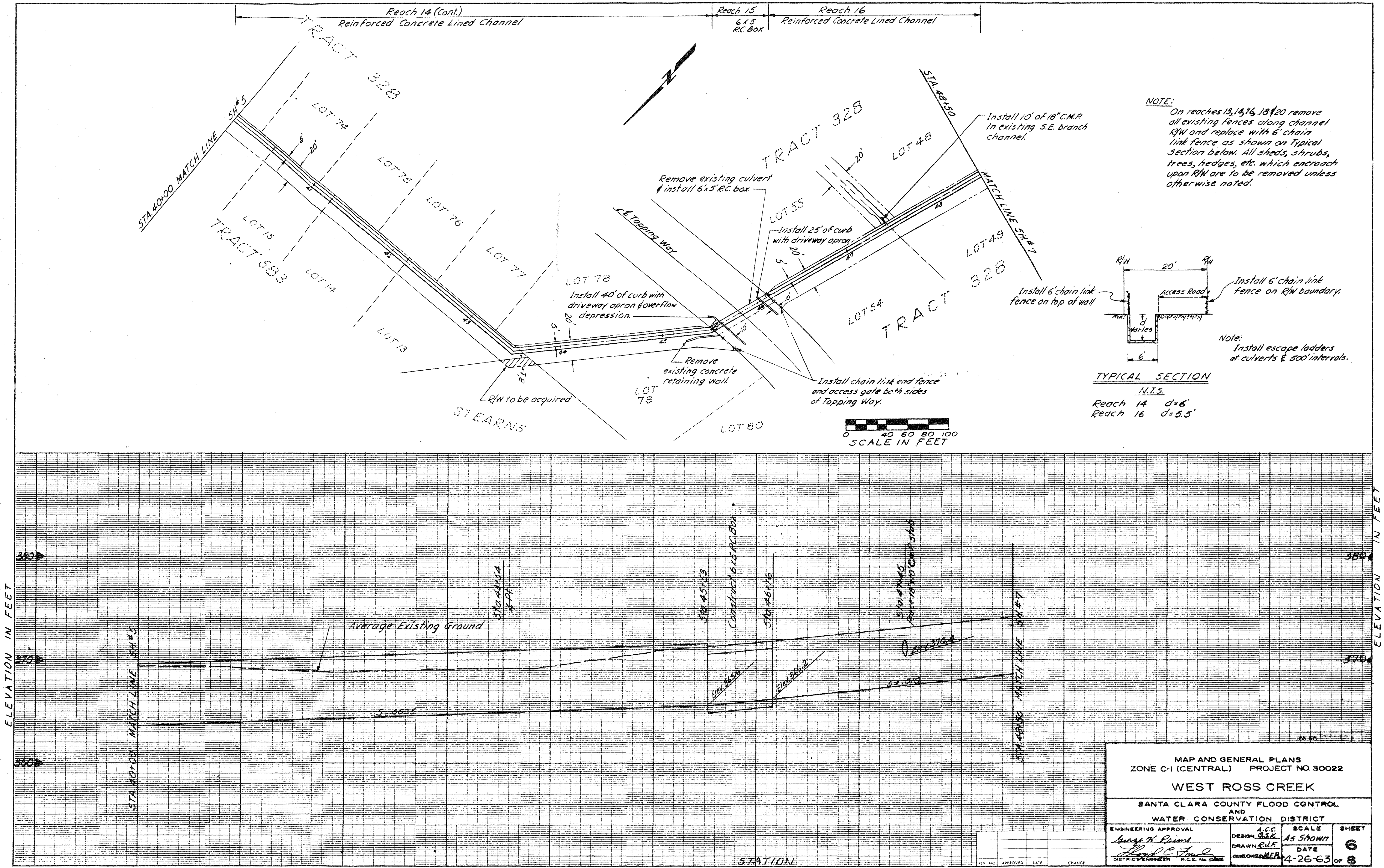
| REV. NO. | APPROVED | DATE | CHANGE |
|---|---|---|---|
| | | | |
| | | | |

ENGINEERING APPROVAL
George W. Prime
Lloyd C. Fowler
DISTRICT ENGINEER R.C.E. No. 10682

DESIGN A.C.C.
DRAWN R.J.F.
CHECKED N.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 5 OF 8

PLATE 5


Reach 14 (Cont.)
Reinforced Concrete Lined Channel
Reach 15
6x5 R.C. Box
Reach 16
Reinforced Concrete Lined Channel
TRACT 328
LOT 74
LOT 75
LOT 76
LOT 77
LOT 78
LOT 79
LOT 80
LOT 15
LOT 14
LOT 13
TRACT 583
STA. 40+00 MATCH LINE SH. #5
STA. 48+50 MATCH LINE SH. #7
LOT 55
LOT 48
LOT 49
LOT 54
TRACT 328
TRACT 328
STEARNS
℄ Topping Way
Remove existing culvert & install 6'x5' R.C. box.
Install 25' of curb with driveway apron.
Install 40' of curb with driveway apron & overflow depression.
Remove existing concrete retaining wall.
R/W to be acquired
Install chain link end fence and access gate both sides of Topping Way.
Install 10' of 18" C.M.P. in existing S.E. branch channel.
5'
20'
10'
8'
9'
41
42
43
44
45
46
47
48
0 40 60 80 100
SCALE IN FEET
NOTE:
On reaches 13, 14, 16, 18 & 20 remove all existing fences along channel R/W and replace with 6' chain link fence as shown on Typical Section below. All sheds, shrubs, trees, hedges, etc. which encroach upon R/W are to be removed unless otherwise noted.
R/W
20'
R/W
Access Road
Install 6' chain link fence on top of wall
Install 6' chain link fence on R/W boundary.
d Varies
6'
Note:
Install escape ladders at culverts & 500' intervals.
TYPICAL SECTION
N.T.S.
Reach 14 d=6'
Reach 16 d=5.5'
ELEVATION IN FEET
380
370
360
STA. 40+00 MATCH LINE SH. #5
Average Existing Ground
Sta. 43+54 ℄ P.I.
Sta. 45+53
Construct 6x5 R.C. Box
Sta. 46+16
Elev. 365.6
Elev. 366.2
S=.0035
S=.010
Sta. 47+45 Place 18"x10' C.M.P. Stub
Elev. 370.4
STA. 48+50 MATCH LINE SH. #7
STATION
41
42
43
44
45
46
47
48
JOB NO.
REV. NO.
APPROVED
DATE
CHANGE

MAP AND GENERAL PLANS
ZONE C-1 (CENTRAL) PROJECT NO. 30022

WEST ROSS CREEK

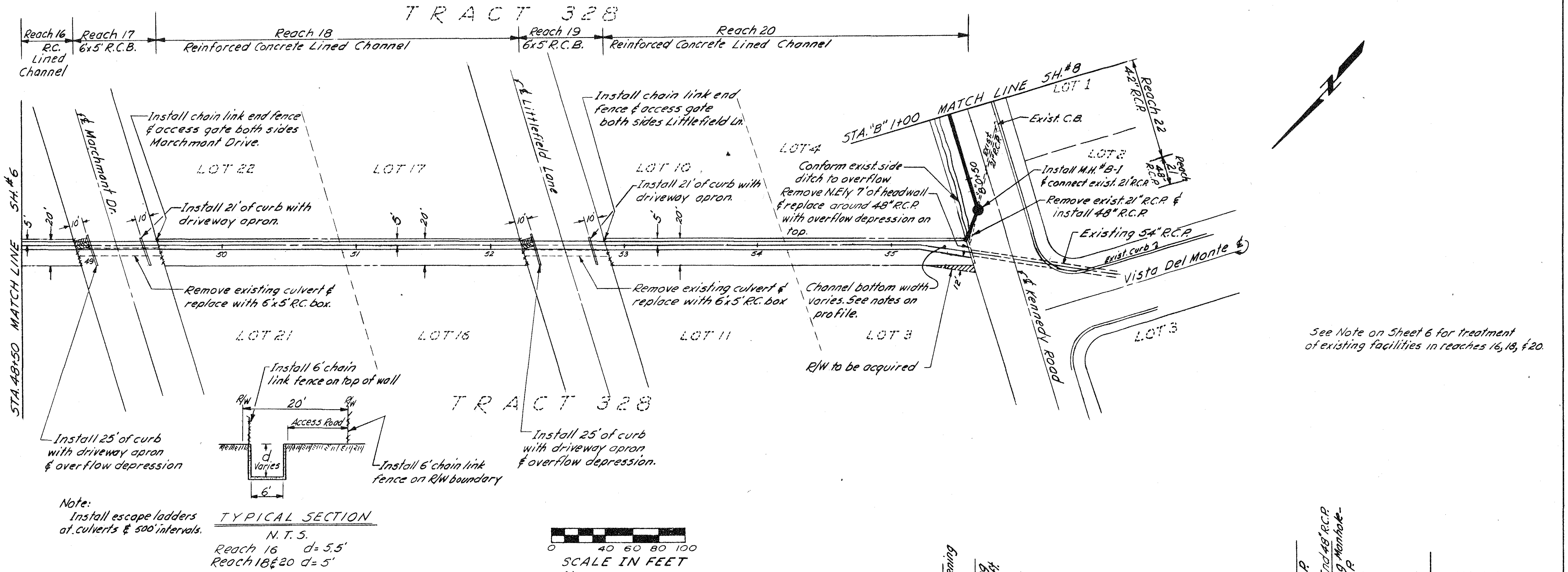
SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

ENGINEERING APPROVAL
George W. Prime
Lloyd C. Fowler
DISTRICT ENGINEER R.C.E. No.

DESIGN A.C.C. G.S.K.
DRAWN R.J.F.
CHECKED M.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 6 OF 8

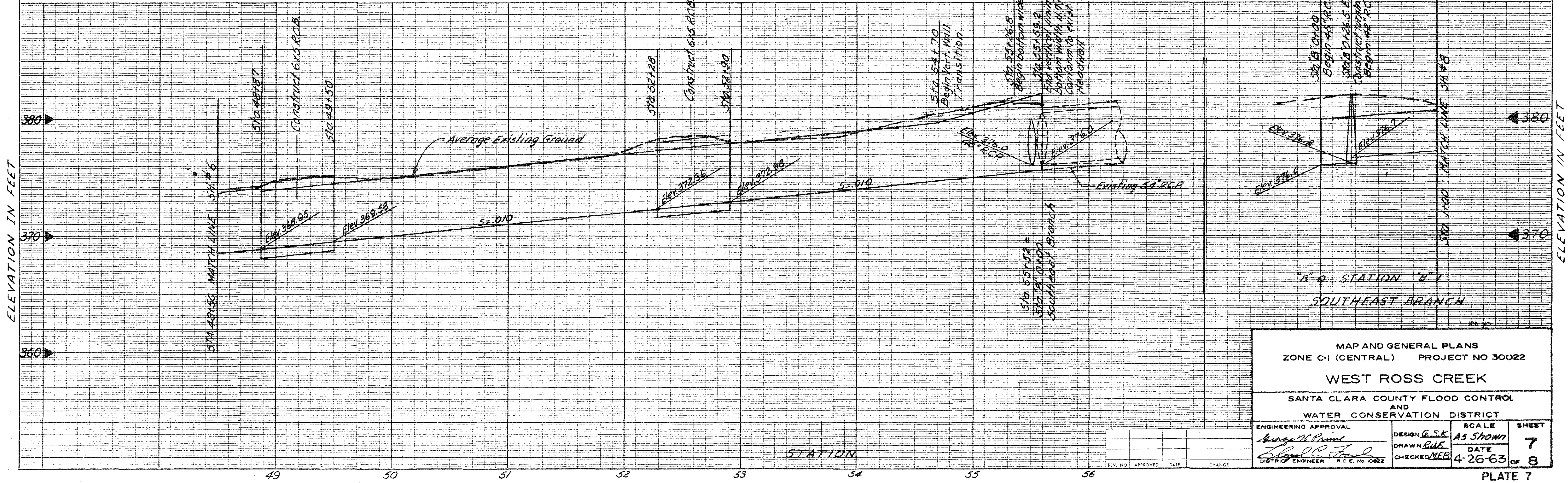
PLATE 6


TRACT 328
Reach 16 R.C. Lined Channel
Reach 17 6'x5' R.C.B.
Reach 18 Reinforced Concrete Lined Channel
Reach 19 6'x5' R.C.B.
Reach 20 Reinforced Concrete Lined Channel
STA. 48+50 MATCH LINE SH. #6
℄ Marchmont Dr.
Install chain link end fence & access gate both sides Marchmont Drive.
LOT 22
LOT 17
℄ Littlefield Lane
Install chain link end fence & access gate both sides Littlefield Ln.
LOT 10
LOT 4
Install 21' of curb with driveway apron.
Install 21' of curb with driveway apron.
5'
20'
10'
10'
10'
10'
5'
20'
49
50
51
52
53
54
55
Remove existing culvert & replace with 6'x5' R.C. box.
Remove existing culvert & replace with 6'x5' R.C. box
LOT 21
LOT 16
LOT 11
LOT 3
Install 25' of curb with driveway apron & overflow depression
Install 25' of curb with driveway apron & overflow depression.
TRACT 328
STA. "B" 1+00 MATCH LINE SH. #8
LOT 1
Reach 22 42" R.C.P.
Reach 21 48" R.C.P.
Exist. C.B.
Exist. 21" R.C.P.
"B" 0+50
LOT 2
Conform exist. side ditch to overflow
Remove N.Ely 7' of headwall & replace around 48" R.C.P. with overflow depression on top.
Install M.H. #B-1 & connect exist. 21" R.C.P.
Remove exist. 21" R.C.P. & install 48" R.C.P.
Existing 54" R.C.P.
Exist. curb
Vista Del Monte ℄
℄ Kennedy Road
12'
Channel bottom width varies. See notes on profile.
R/W to be acquired
LOT 3
N
Install 6' chain link fence on top of wall
R/W
20'
R/W
Access Road
d Varies
6'
Install 6' chain link fence on R/W boundary
0 40 60 80 100
SCALE IN FEET

Note:
Install escape ladders at culverts & 500' intervals.

TYPICAL SECTION
N. T. S.
Reach 16 d = 5.5'
Reach 18 & 20 d = 5'

See Note on Sheet 6 for treatment of existing facilities in reaches 16, 18, & 20.


ELEVATION IN FEET
380
370
360
STA. 48+50 MATCH LINE SH. #6
Sta. 48+87
Construct 6x5 R.C.B.
Sta. 49+50
Elev. 368.95
Elev. 369.58
Average Existing Ground
S=.010
Sta. 52+28
Construct 6x5 R.C.B.
Sta. 52+90
Elev. 372.36
Elev. 372.98
S=.010
Sta. 54+70 Begin Vert. Wall Transition
Sta. 55+26.8 Begin bottom widening
Sta. 55+59.2 End vertical lining bottom width 11.7 ft. Conform to exist. headwall
Elev. 376.0 48" R.C.P.
Elev. 376.0
Existing 54" R.C.P.
Sta. 55+52 = Sta. "B" 0+00 Southeast Branch
Sta. "B" 0+00 Begin 48" R.C.P.
Sta. "B" 0+26.5 End 48" R.C.P. Construct turning Manhole - Begin 42" R.C.P.
Elev. 376.2
Elev. 376.0
Elev. 376.7
Sta. 1+00 MATCH LINE SH. #8
"B" 0 STATION "B" 1
SOUTHEAST BRANCH
JOB NO.
STATION
49
50
51
52
53
54
55
56

| REV. NO. | APPROVED | DATE | CHANGE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

MAP AND GENERAL PLANS
ZONE C-1 (CENTRAL) PROJECT NO 30022

WEST ROSS CREEK

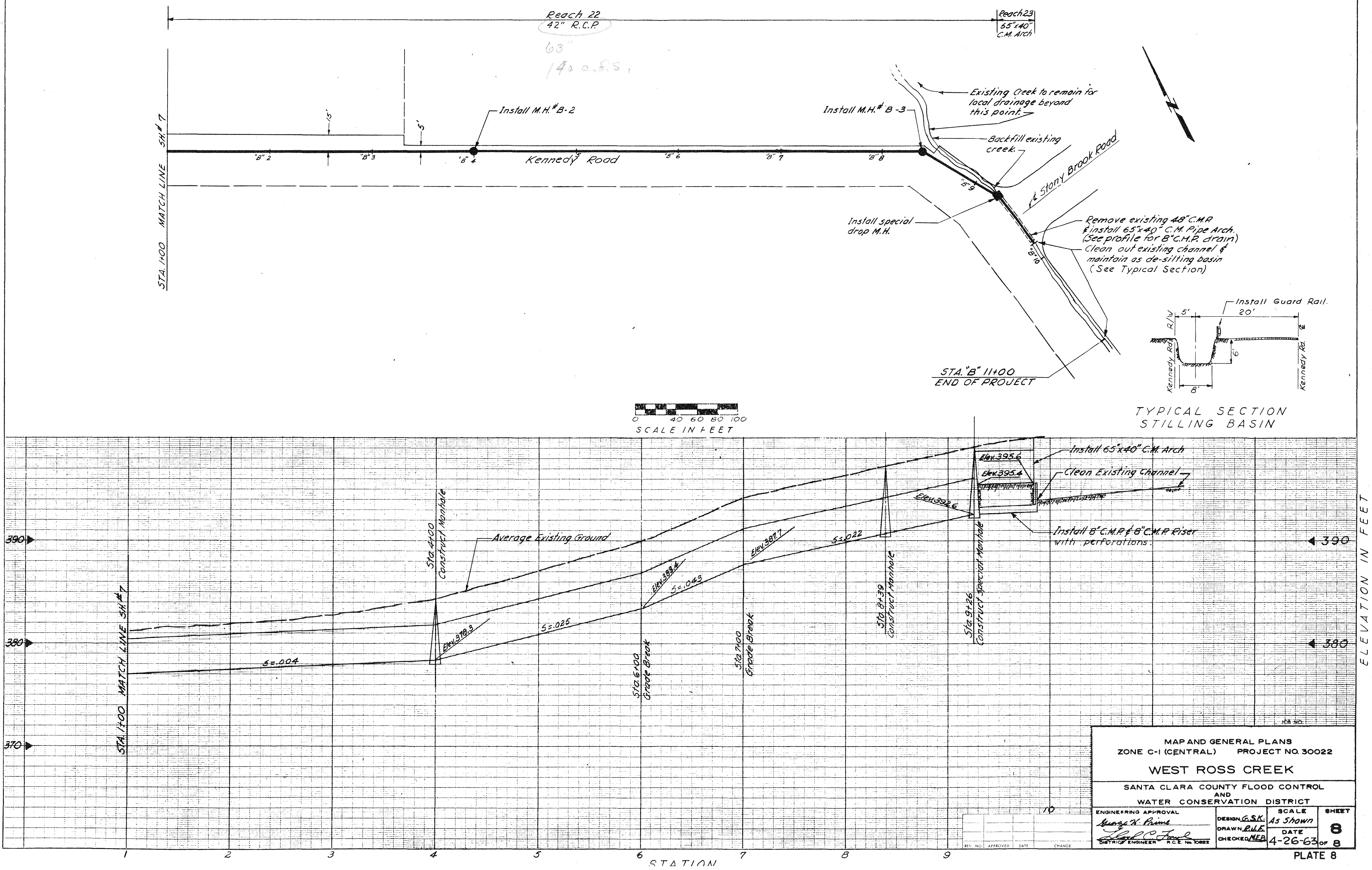
SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

ENGINEERING APPROVAL
DISTRICT ENGINEER R.C.E. No. 10822

DESIGN G.S.K
DRAWN R.J.F.
CHECKED M.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 7 OF 8

PLATE 7



MAP AND GENERAL PLANS
ZONE C-1 (CENTRAL) PROJECT NO. 30022

## WEST ROSS CREEK

SANTA CLARA COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

ENGINEERING APPROVAL
George W. Prime
Lloyd C. Fowler
DISTRICT ENGINEER R.C.E. No. 10822

DESIGN G.S.K.
DRAWN R.U.E.
CHECKED M.E.B.

SCALE As Shown
DATE 4-26-63
SHEET 8 OF 8

PLATE 8